



Appl.No.09/735,291  
Amdt.Dated June 11, 2004  
Reply to Office action of Mar. 1, 2004  
Replacement Sheet

3/3

PSEUDORANDOM PATTERN GENERATION

| PATTERN TYPE                             |
|--|
| $2^3 - 1$                                |
| $2^4 - 1$                                |
| $2^5 - 1$                                |
| $2^6 - 1$                                |
| $2^7 - 1$                                |
| $2^7 - 1$ Fractional T1 LB Activate      |
| $2^7 - 1$ Fractional T1 LB Deactivate    |
| $2^9 - 1$ 0.153 (511 type)               |
| $2^{10} - 1$                             |
| $2^{11} - 1$ 0.152 and 0.153 (2047 type) |
| $2^{15} - 1$ 0.151                       |
| $2^{17} - 1$                             |
| $2^{18} - 1$                             |
| $2^{20} - 1$ 0.153                       |
| $2^{20} - 1$ 0.151 QRSS (PCR. 6=1)       |
| $2^{21} - 1$                             |
| $2^{22} - 1$                             |
| $2^{23} - 1$ 0.151                       |
| $2^{25} - 1$                             |
| $2^{28} - 1$                             |
| $2^{29} - 1$                             |
| $2^{31} - 1$                             |
| $2^{32} - 1$                             |

FIG. 3

REPETITIVE PATTERN GENERATION

| PATTERN TYPE                      |
|-----------------------------------|
| all ones                          |
| all zeros                         |
| alternating ones and zeros        |
| double alternating ones and zeros |
| 3 in 24                           |
| 1 in 16                           |
| 1 in 8                            |
| 1 in 4                            |
| D4 Line Loopback Activate         |
| D4 Line Loopback Deactivate       |

FIG. 4



Appl.No.09/735,291  
Amdt.Dated June 11, 2004  
Reply to Office action of Mar. 1, 2004  
Annotated Sheet Showing Changes

3/3

PSEUDORANDOM PATTERN GENERATION

| PATTERN TYPE                             |
|--|
| $2^3 - 1$                                |
| $2^4 - 1$                                |
| $2^5 - 1$                                |
| $2^6 - 1$                                |
| $2^7 - 1$                                |
| $2^7 - 1$ Fractional T1 LB Activate      |
| $2^7 - 1$ Fractional T1 LB Deactivate    |
| $2^9 - 1$ 0.153 (511 type)               |
| $2^{10} - 1$                             |
| $2^{11} - 1$ 0.152 and 0.153 (2047 type) |
| $2^{15} - 1$ 0.151                       |
| $2^{17} - 1$                             |
| $2^{18} - 1$                             |
| $2^{20} - 1$ 0.153                       |
| $2^{20} - 1$ 0.151 QRSS (PCR. 6=1)       |
| $2^{21} - 1$                             |
| $2^{22} - 1$                             |
| $2^{23} - 1$ 0.151                       |
| $2^{25} - 1$                             |
| $2^{28} - 1$                             |
| $2^{29} - 1$                             |
| $2^{31} - 1$                             |
| $2^{32} - 1$ (see note below)            |

REPETITIVE PATTERN GENERATION

| PATTERN TYPE                      |
|-----------------------------------|
| all ones                          |
| all zeros                         |
| alternating ones and zeros        |
| double alternating ones and zeros |
| 3 in 24                           |
| 1 in 16                           |
| 1 in 8                            |
| 1 in 4                            |
| D4 Line Loopback Activate         |
| D4 Line Loopback Deactivate       |

FIG. 4

FIG. 3

Approved 9/3/04